Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lyon College Advising Sheet**

**MATH MAJOR with Secondary Education Concentration**

# The Secondary Education Concentration

Students pursuing a secondary teaching license must complete the major requirements in an approved teaching field, the secondary concentration requirements, and teaching field requirements.

***Requirements for the Concentration in Secondary Education***

\_\_\_\_\_PSY 101 Introduction to Psychology 3 credits

\_\_\_\_\_EDU 202 Overview of Teaching 3 credits

\_\_\_\_\_PSY 339 Learning & Cognition 3 credits

\_\_\_\_\_EDU 325 Practicum I 1 credit

\_\_\_\_\_EDU 326 Practicum II 1 credit

\_\_\_\_\_EDU 335 Educating Diverse and Exceptional Learners 2 credits

\_\_\_\_\_PSY 310 Child and Adolescent Development 3 credits

\_\_\_\_\_EDU 404 Methods of Integrating Liberal Arts in the Secondary School 3 credits

\_\_\_\_\_EDU 495 Student Internship\* (4 credits in fall, 4 credits in spring) **8 credits**

**TOTAL = 27 credits**

\* Students will meet one hour a week on the Lyon campus to review intern experiences and discuss relevant topics. **In order to receive a final grade on the internship, candidates must submit passing scores on Praxis II content knowledge exam(s) and must submit passing scores on the pedagogy exam in order to be recommended for licensure by the Arkansas Department of Education.**

***Requirements for the Math Major***

MTH 210 Calculus I\* 4 credits

MTH 220 Calculus II 4 credits

MTH 230 Calculus III 4 credits

MTH 290 Foundations of Modern Math 3 credits

MTH 300 Differential Equations 3 credits

MTH 330 Linear Algebra 3 credits

MTH 420 Abstract Algebra I 3 credits

MTH 440 Mathematical Analysis I 3 credits

\_\_\_ CSC 140 Introduction to Programming 3 credits

**OR** CSC 115 Intro to Programming in Java

**Three Electives in Math (300/400 level)**

3 credits

3 credits

3 credits

**TOTAL = 39 credits**

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| --- |
| **Teaching Field Requirements for Math Majors:**  **Required by the state for licensure:** \_\_\_\_ MTH 400 Secondary Methods in Mathematics (3 credits)  **Candidates will be individually advised concerning their need for additional areas of coursework tested on the Praxis II exam in:** Algebra, Measurement, Geometry, Trigonometry, Functions, Calculus, Data Analysis/Statistics, Probability; Matrix Algebra, and Discrete Mathematics |